

JPW



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RESPONSIVE TO THE OFFICE ACTION MAILED 07/12/05

CLAIM 1. Once Amended. An improved laminar nozzle assembly comprising:
a fountain enclosure including a water reservoir;
pump means for pumping liquid to a laminar flow nozzle;
conduit means to conduct liquid from said pump to said laminar flow nozzle;
a diffuser located within said assembly;
said diffuser comprising a porous filter formed into a hollow hemisphere having a
generally convex surface and a generally concave surface;
said generally concave surface having a center spaced from said generally concave surface;
an exit orifice spaced from said generally concave surface and located generally at said
center, whereby as said fluid flows through said hollow
hemispherical diffuser it has its Reynold's Number significantly reduced, and any
turbulences on said convex surface tend to be converted to a very great number of micro-
turbulences which tend to be self canceling and substantially all water flowing from the
diffuser to the exit orifice has substantially the same distance to travel from substantially
all directions, and the fluid exiting said orifice is highly laminar.

Claim 2. Original. An improved nozzle assembly according to claim 1 wherein said diffuser
is made of polyester fiber air filter material.